

GenCore version 5.1.3
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OM protein - protein search, using sw model

Run on: December 19, 2002, 14:59:43 : Search time 16 Seconds
(without alignments)
1042.675 Million cell updates/sec

Title: US-08-813-323b-1
Sequence: 1 MESSKMDAAGTLPNPPLK.....IKDDTIFIKVIVDTSLEPDP 567
2994

Scoring table: BIOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 262574 seqs, 29422922 residues

Total number of hits satisfying chosen parameters: 262574

Minimum DB seq length: 0
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued Patents, AA.*
1: /cgn2_6/ptodata/1/1aa/5A.COMB.pep.*
2: /cgn2_6/ptodata/1/1aa/5B.COMB.pep.*
3: /cgn2_6/ptodata/1/1aa/6A.COMB.pep.*
4: /cgn2_6/ptodata/1/1aa/6B.COMB.pep.*
5: /cgn2_6/ptodata/1/1aa/PCrus.COMB.pep.*
6: /cgn2_6/ptodata/1/1aa/Backfilltest.pep.*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	2710	90.5	543	4	US-08-697-610-2
2	2710	90.5	543	4	US-08-349-357-2
3	2129.5	71.1	438	4	US-09-268-544B-36
4	1604	53.6	347	4	US-09-268-544B-38
5	1243	41.5	358	4	US-09-138-277C-1
6	1189.5	39.7	557	4	US-09-138-277C-3
7	1108	37.0	228	4	US-09-181-958-2
8	837.5	28.0	501	1	US-08-331-394-4
9	837.5	28.0	501	1	US-08-250-858-4
10	837.5	28.0	501	1	US-08-446-915-4
11	837.5	28.0	501	1	US-08-744-139-4
12	837.5	28.0	501	5	PCT-US95-06639-4
13	640	21.4	409	1	US-08-331-394-2
14	640	21.4	409	1	US-08-250-858-2
15	640	21.4	409	1	US-08-446-915-2
16	640	21.4	409	2	US-08-744-139-2
17	640	21.4	409	5	PCT-US95-06639-2
18	568.5	19.0	417	3	US-08-705-771-18
19	556.5	18.6	470	2	US-08-691-814B-2
20	548.5	18.3	243	4	US-09-181-958-1
21	548	18.3	522	1	US-08-639-237-2
22	548	18.3	522	1	US-08-975-405-2
23	435	14.5	80	2	US-08-691-814B-29
24	381	12.7	73	2	US-08-691-814B-33
25	328	11.0	59	2	US-08-691-814B-25
26	306	10.2	80	2	US-08-691-814B-31
27	294	9.8	80	2	US-08-691-814B-30

28	286	9.6	56	2	US-08-691-814B-24	Sequence 24, Appl
29	259	8.7	46	4	US-09-052-089A-10	Sequence 10, Appl
30	249	8.3	46	2	US-08-691-814B-15	Sequence 15, Appl
31	210	7.0	67	2	US-08-691-814B-32	Sequence 32, Appl
32	186	6.2	70	2	US-08-691-814B-35	Sequence 35, Appl
33	181.5	6.1	70	2	US-08-691-814B-34	Sequence 34, Appl
34	147	4.9	2482	1	US-08-328-254-6	Sequence 6, Appl
35	147	4.9	3248	5	US-08-353-700-1	Sequence 1, Appl
36	147	4.9	16216-1	1	PCT-US95-16216-1	Sequence 1, Appl
37	143	4.8	1201	4	US-09-098-901-2	Sequence 11, Appl
38	141.5	4.7	631	4	US-08-477-831C-11	Sequence 2, Appl
39	138.5	4.6	606	4	US-08-477-831C-2	Sequence 2, Appl
40	136.5	4.6	1939	4	US-09-310-187A-1	Sequence 1, Appl
41	136	4.5	368	5	PCT-US93-08743-5	Sequence 5, Appl
42	134.5	4.5	419	3	US-09-100-391-4	Sequence 4, Appl
43	134.5	4.5	582	3	US-09-100-391-10	Sequence 10, Appl
44	134.5	4.5	1388	4	US-09-572-191-2	Sequence 2, Appl
45	134.5	4.5	1388	4	US-09-723-262-2	Sequence 2, Appl

ALIGNMENTS

RESULT 1
US-08-697-610-2
Sequence 2, Application US/08697610
Patent No. 6172187

GENERAL INFORMATION:

APPLICANT: Reed, John C.
APPLICANT: Sato, Takashi
TITLE OF INVENTION: CD40 Associated Proteins
NUMBER OF SEQUENCES: 17
CORRESPONDENCE ADDRESS:
ADDRESSEE: Campbell and Flores
STREET: 4370 La Jolla Village Drive, Suite 700
CITY: San Diego
STATE: California
COUNTRY: USA
ZIP: 92122

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/697,610
FILING DATE:
CLASSIFICATION: 530
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/349,357
FILING DATE: 02-DEC-1994
ATTORNEY/AGENT INFORMATION:
NAME: Campbell, Cathryn A.
REGISTRATION NUMBER: 31,815
REFERENCE/DOCKET NUMBER: P-LJ 1203
TELECOMMUNICATION INFORMATION:
TELEPHONE: (619) 535-9001
TELEFAX: (619) 535-8949
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 543 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-697-610-2

Query Match 90.5%; Score 2710; DB 4; Length 543;
Best Local Similarity 91.4%; Pred. No. 3.9e+231;

Matches 519; Conservative 7; Mismatches 16; Indels 26; Gaps 2;

QY 1 MESSKMDAAGTLPNPPLKLPDGRAGS-VLVPEGGYKKEFKVTVEDKYKCEKCRVL 59
DB 1 MESSKMDSPGALQTNPLKLTDRSAGTPVPEGGYKKEFKVTVEDKYKCEKCHVL 60

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Qy      60  CNPQTEGCRHFCSCMAALLSSSPCTCQSEIINKDKYKPNCKRETLAQVCYCRNE 119
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Db      61  CSPKQTEGCRHSCSCMAALLSSSPCTACQSEIYKDKYKPNCKRETLAQVCYCRNE 120
Qy      120  GRGAEQDITLGHLLVHLKNCQEFEEELPCLRADCKEYLRKDLRDHYEACKRYEATCSHC 179
        1111111111111111111111111111111111111111111111111111111
Db      121  SRGAEDQITLGHLLVHLKNCQEFEEELPCLRADCKEYLRKDLRDHYEACKRYEATCSHC 180
Qy      180  KSGVPMATLKHEDTDCPCVYVSCPHKCSYQITLLRSELSHLSECVNAPSTCSFKRQCV 239
        1111111111111111111111111111111111111111111111111111111
Db      181  KSGVPMATLKHEDTDCPCVYVSCPHKCSYQITLLRSE----- 217
Qy      240  PQGNQOIKAHESAAVOHNLKEMNSNLEKKVSLTQNESVEKNKSIOSLHNOICFEI 299
        1111111111111111111111111111111111111111111111111111111
Db      218  --GNGQOIKAHESAAVOHNLKEMNSNLEKKVSLTQNESVEKNKSIOSLHNOICFEI 275
Qy      300  EIEQCKEMLRNNEKSLIHLQVIDSQAEKLKELDKELRPRQWMEADSMKSSVESLQNR 359
        1111111111111111111111111111111111111111111111111111111
Db      276  EIEQCKEMLRNNEKSLIHLQVIDSQAEKLKELDKELRPRQWMEADSMKSSVESLQNR 359
Qy      360  VTELESYDKSAGQARNTGLLESQLSNRDQTLVSHDRLADMDLRQVLTETASNGVLIW 419
        1111111111111111111111111111111111111111111111111111111
Db      336  VTELESYDKSAGQARNTGLLESQLSNRDQTLVSHDRLADMDLRQVLTETASNGVLIW 395
Qy      420  KIRPYKRRKQAVWAGKTLSISQPFYTYGFEYKKACARVYLNGDGMGTHLSLTFVIMRG 479
        1111111111111111111111111111111111111111111111111111111
Db      396  KIRPYKRRKQAVWAGKTLSISQPFYTYGFEYKKACARVYLNGDGMGTHLSLTFVIMRG 455
Qy      480  EYDALLPWPFQKQVATLMDQSSRRHLGDAFRDPNNSSFKKRTGEMNIAASGCPVVAQ 533
        1111111111111111111111111111111111111111111111111111111
Db      456  EYDALLPWPFQKQVATLMDQSSRRHLGDAFRDPNNSSFKKRTGEMNIAASGCPVVAQ 515
Qy      540  TVLENGTYIKDDTIFIKYIVDTSLPDP 567
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Db      516  TVLENGTYIKDDTIFIKYIVDTSLPDP 543

RESULT 2
/ Sequence 2, Application US/08349357
/ Patent No. 6263556
/ GENERAL INFORMATION:
/ APPLICANT: Reed, John C.
/ APPLICANT: Sato, Takaaki
/ TITLE OF INVENTION: CD40 Associated Proteins
/ NUMBER OF SEQUENCES: 17
/ CORRESPONDENCE ADDRESS:
/ ADDRESSEE: Campbell and Flores
/ STREET: 4370 La Jolla Village Drive, Suite 700
/ CITY: San Diego
/ STATE: California
/ COUNTRY: USA
/ ZIP: 92122
/ COMPUTER READABLE FORM:
/ MEDIUM TYPE: Floppy disk
/ COMPUTER: IBM PC compatible
/ OPERATING SYSTEM: PC-DOS/MS-DOS
/ SOFTWARE: PatentIn Release #1.0, Version #1.25
/ CURRENT APPLICATION DATA:
/ APPLICATION NUMBER: US/08/349,357
/ FILING DATE: 02-DEC-1994
/ CLASSIFICATION: 435
/ ATTORNEY/AGENT INFORMATION:
/ NAME: Campbell, Cathryn A.
/ REGISTRATION NUMBER: 31,815
/ REFERENCE/DOCKET NUMBER: P-LJ 1203
/ TELECOMMUNICATION INFORMATION:
/ TELEPHONE: (619) 535-9001
/ TELEFAX: (619) 535-8949
/ INFORMATION FOR SEQ ID NO: 2:
/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 543 amino acids
/

```

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; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
;
US-08-349-357-2
Query Match 90.5%; Score 2710; DB 4; Length 543;
Best Local Similarity 91.4%; Pred. No. 3,9e-211;
Matches 519; Conservative 7; Mismatches 16; Indels 26; Gaps 2;

QY 1 MESSKKMDAGTLPNPPPLKLPDRGAGS-VLYEBOGGYKKKFKYVYEDKKCKCKLVL 59
   |||||: || ||||| ||: ||: ||||| ||||| ||||| ||||| |||||
Db 1 MESSKKMSPALQTNPLKLTHTDRSAGTPVFEVEBOGGYKKKFKYVYEDKKCKCKHLVL 60
   |||||: ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
QY 60 CNPQTEGHHFPCSCMALLSSSPKCTACQESTIKRKVKDKCKCKREILALQVCRNE 119
   |||||: ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 61 CSPQTEGHHFPCSCMALLSSSPKCTACQESTIVKDKVKDKCKCKREILALQVCRNE 120
   |||||: ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
QY 120 GRGCAEQLTLHLVHLKNECOFEEPLCLRADCKEYLRKDLRDHVEAKCYREATCSHC 179
   |||||: ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 121 SRGCAEQLTLHLVHLKNDCHFELPCVRPDCKEKYLKDLRDHVEAKCYREATCSHC 180
   |||||: ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
QY 180 KSQVPMIKLQKHEDTDCPCVYVSCPHKCSYQTLRLSELSAHLSECVNAPRSCSRKRGCV 239
   |||||: ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 181 KSQVPMIALQKHEDTDCPCVYVSCPHKCSYQTLRLSE----- 217
   |||||: ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
QY 240 FQGTQOQAKHASSAVOHVNLKEMSNLSLEKYSLLONESYEKKNSIOSLHNOICFPEI 299
   |||||: ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 218 --GTMOQAKHASSAVOHVNLKEMSNLSLEKYSLLONESYEKKNSIOSLHNOICFPEI 275
   |||||: ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
QY 300 EIEROKEMI,RNNESKILHLQRYIDSQAERKLELKEIRPFRRONNEADSKMSVSLSLONR 359
   |||||: ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 276 EIEROKEMIRNNESKILHLQRYIDSQAERKLELKEIRSFRRONNEADSKMSVSLSLONR 335
   |||||: ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
QY 360 VTELESVYKSAQAARNTGLLESQLSRRDQTLVSVDIPLADMDLRFQVLETAASYNGVLIV 419
   |||||: ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 336 VTELESVYKSAQAARNTGLLESQLSRRDQTLVSVDIPLADMDLRFQVLETAASYNGVLIV 395
   |||||: ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
QY 420 KTRDVKRRKQEAVMGKTLSTLYSQPFYTGFGYKMCARYLLNGDGGKGTHTLSLFFVIMRG 479
   |||||: ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 396 KTRDVKRRKQEAVMGKTLSTLYSQPYTGFYKMCARYLLNGDGGKGTHTLSLFFVIMRG 455
   |||||: ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
QY 480 EYDALLPWFQKQKVTLMMDGSSRRHLGDAFKPRPNSSSFKKPFGEMNIASGCPVFAQ 539
   |||||: ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 456 EYDALLPWFQKQKVTLMMDGSSRRHLGDAFKPRPNSSSFKKPFGEMNIASGCPVFAQ 515
   |||||: ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
QY 540 TVLENGTYIKDDTIFPKYIVDFSDLPDP 567
   |||||: ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 516 TVLENGTYIKDDTIFPKYIVDTSDLPDP 543
   |||||: ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||

RESULT 3
US-09-268-544B-36
; Sequence 36, Application US/09268544B
; Patent No. 6410710
; GENERAL INFORMATION:
; APPLICANT: Lederman, Seth
; APPLICANT: van Eynhoven, Winfried
; TITLE OF INVENTION: TRAF-3 Deletion Isoforms And Uses Thereof
; FILE REFERENCE: 0575-58732
; CURRENT APPLICATION NUMBER: US/09/268,544B
; NUMBER OF SEQ ID NOS: 43
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 36
; LENGTH: 438
; TYPE: PRT
; ORGANISM: Human
;
US-09-268-544B-36
Query Match 71.1%; Score 2129.5; DB 4; Length 438;
Best Local Similarity 73.2%; Pred. No. 5.7e-180;
Matches 416; Conservative 7; Mismatches 14; Indels 131; Gaps 2;

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OY 1 MESSKMDAAGTLQPNPPLKLPDRGAGS-VLVEPQGGYKKEFKYKEDYKCKECLVYL 59
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Db 1 MESSKMDSPGALQTNPLKLTDRSAGTPEVPEQGGYKKEFKYKEDYKCKECLVYL 60
OY 60 CNPQTEGGRHFCSCMAALLSSSPKCTACQESIINDKVFKNCCREITALQVYCRNE 119
    |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db 61 CSPQTEGGRHFCSCMAALLSSSPKCTACQESIINDKVFKNCCREITALQVYCRNE 120
OY 120 GRGCAEQLTGLHLVHLKNECOFELPCLRADCKEYLRDLDHVKACKYREATCSHC 179
    |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db 121 SRGCAEQLTGLHLVHLKNECOFELPCLRADCKEYLRDLDHVKACKYREATCSHC 180
OY 180 KSOVPMIKLOKHEDTDCPCVYVSCPHKCSVOTLLRSELSECVNAPSTCSFKRYGCV 239
    |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db 181 KSOVPMIA----- 188
OY 240 FQGTNOQIAHEASSAVQHNLLKEMNSLEKKVSLQNESVEKNKSIOSLHNOJCSFEI 299
    |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db 189 ----- 188
OY 300 EIERQKEMLRNNEKILHLQRYIDSOAEKLELDEIRPFRRONMWEADSMKSSVESLQNR 359
    |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db 189 -----LQRYIDSOAEKLELDEIRPFRRONMWEADSMKSSVESLQNR 230
OY 360 VTELESVDKSAGQARNTGLLESQLSRHQDTLSVHDIRLADMDLRQVLETAASYNGVLIM 419
    |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db 231 VTELESVDKSAGQARNTGLLESQLSRHQDTLSVHDIRLADMDLRQVLETAASYNGVLIM 290
OY 420 KIRDYKRRQOEAVMGKTLISYQPFYTGFGYKMCARVYLNGDGKGTHTLSLFEVIMRG 479
    |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db 291 KIRDYKRRQOEAVMGKTLISYQPFYTGFGYKMCARVYLNGDGKGTHTLSLFEVIMRG 350
OY 480 EYDALLPMPFKOKVTLMMDQSSRRHLGDAFKPDPNSSFRKPTGEMNIASGCPVFAO 539
    |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db 351 EYDALLPMPFKOKVTLMMDQSSRRHLGDAFKPDPNSSFRKPTGEMNIASGCPVFAO 410
OY 540 TVLENGTYIKDDTIFIKYIVDTSDLPDP 567
    |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db 411 TVLENGTYIKDDTIFIKYIVDTSDLPDP 438

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RESULT 4

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US-09-268-544B-38
; Sequence 38, Application US/09268544B
; Patent No. 6410710
; GENERAL INFORMATION:
; APPLICANT: Lederman, Seth
; APPLICANT: van Eyndhoven, Winfried
; TITLE OF INVENTION: TRAF-3 Deletion Isoforms And Uses Thereof
; FILE REFERENCE: 0575-58732
; CURRENT APPLICATION NUMBER: US/09/268, 544B
; NUMBER OF SEQ ID NOS: 43
; SOFTWARE: Patentln Ver. 2.1
; SEQ ID NO 38
; LENGTH: 347
; TYPE: PRT
; ORGANISM: Human
US-09-268-544B-38

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Query Match          53.6%; Score 1604; DB 4; Length 347;
Best Local Similarity 56.3%; Pred. No. 1,1e-133;
Matches 331; Conservative 4; Mismatches 11; Indels 222; Gaps 2;

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OY 1 MESSKMDAAGTLQPNPPLKLPDRGAGS-VLVEPQGGYKKEFKYKEDYKCKECLVYL 59
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Db 1 MESSKMDSPGALQTNPLKLTDRSAGTPEVPEQGGYKKEFKYKEDYKCKECLVYL 60
OY 60 CNPQTEGGRHFCSCMAALLSSSPKCTACQESIINDKVFKNCCREITALQVYCRNE 119
    |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db 61 CSPQTEGGRHFCSCMAALLSSSPKCTACQESIINDKVFKNCCREITALQVYCRNE 120
OY 120 GRGCAEQLTGLHLVHLKNECOFELPCLRADCKEYLRDLDHVKACKYREATCSHC 179
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```

```

Db 100 ----- 99
OY 180 KSOVPMIKLOKHEDTDCPCVYVSCPHKCSVOTLLRSELSECVNAPSTCSFKRYGCV 239
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Db 100 ----- 99
OY 240 FQGTNOQIAHEASSAVQHNLLKEMNSLEKKVSLQNESVEKNKSIOSLHNOJCSFEI 299
    |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db 100 ----- 99
OY 300 EIERQKEMLRNNEKILHLQRYIDSOAEKLELDEIRPFRRONMWEADSMKSSVESLQNR 359
    |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db 100 -----RVIDSOAEKLELDEIRPFRRONMWEADSMKSSVESLQNR 139
OY 360 VTELESVDKSAGQARNTGLLESQLSRHQDTLSVHDIRLADMDLRQVLETAASYNGVLIM 419
    |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db 140 VTELESVDKSAGQARNTGLLESQLSRHQDTLSVHDIRLADMDLRQVLETAASYNGVLIM 199
OY 420 KIRDYKRRQOEAVMGKTLISYQPFYTGFGYKMCARVYLNGDGKGTHTLSLFEVIMRG 479
    |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db 200 KIRDYKRRQOEAVMGKTLISYQPFYTGFGYKMCARVYLNGDGKGTHTLSLFEVIMRG 259
OY 480 EYDALLPMPFKOKVTLMMDQSSRRHLGDAFKPDPNSSFRKPTGEMNIASGCPVFAO 539
    |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db 260 EYDALLPMPFKOKVTLMMDQSSRRHLGDAFKPDPNSSFRKPTGEMNIASGCPVFAO 319
OY 540 TVLENGTYIKDDTIFIKYIVDTSDLPDP 567
    |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db 320 TVLENGTYIKDDTIFIKYIVDTSDLPDP 347

```

RESULT 5

```

US-09-138-277C-1
; Sequence 1, Application US/09138277C
; Patent No. 6426403
; GENERAL INFORMATION:
; APPLICANT: NAKANO, MOTOMI
; APPLICANT: NAKANO, HIROFASU
; APPLICANT: YAGITA, HIROEO
; APPLICANT: OKUMURA, KO
; TITLE OF INVENTION: TRAF FAMILY MOLECULES, POLYNUCLEOTIDES ENCODING THEM,
; AND ANTIBODIES AGAINST THEM
; FILE REFERENCE: 007898-025515
; CURRENT APPLICATION NUMBER: US/09/138, 277C
; PRIOR FILING DATE: 1997-02-24
; PRIOR APPLICATION NUMBER: JP 34674/1996
; NUMBER OF SEQ ID NOS: 16
; SOFTWARE: Patentln Ver. 2.1
; SEQ ID NO 1
; LENGTH: 558
; TYPE: PRT
; ORGANISM: Mus sp.
US-09-138-277C-1

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Query Match          41.5%; Score 1243; DB 4; Length 558;
Best Local Similarity 43.2%; Pred. No. 1,7e-101;
Matches 237; Conservative 106; Mismatches 158; Indels 48; Gaps 8;

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OY 41 KFYVTEVDKXKCEKCRVLNCPQTEGGRHFCSCMAALLSSSPKCTACQESIINDKVF 99
    |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db 34 QFYVTEVDKXKCEKCRVLNCPQTEGGRHFCSCMAALLSSSPKCTACQESIINDKVF 93
OY 100 FQGTNOQIAHEASSAVQHNLLKEMNSLEKKVSLQNESVEKNKSIOSLHNOJCSFEI 159
    |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db 94 FQGTNOQIAHEASSAVQHNLLKEMNSLEKKVSLQNESVEKNKSIOSLHNOJCSFEI 151
OY 160 DLNDHVKACKYREATCSHC-KSOVPMIKLOKHEDTDCPCVYVSCPHKCSVOTLLRSEL 219
    |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db 152 DLNDHVKACKYREATCSHC-KSOVPMIKLOKHEDTDCPCVYVSCPHKCSVOTLLRSEL 210

```

[illegible]

Query Match	Similarity	37.0%	Score 1108	DB 4	Length 228
Best Local	Similarity	99.1%	Pred No. 4e-90		
Matches	Conservative	0	Mismatches	2	Indels
					Gaps
					0
QY	353	VESIQNRVTELESVDKSAGQAARNTGLLESQLSRHDQTLVSHDILRLADMDLRFQVLETAS	412		
Db	1	VESIQNRVTELESVDKSAGQAVARNTGLLESQLSRHHQOMLVSHDIRLADMDLRFQVLETAS	60		
QY	413	YNQVLLIWKIRIDYRRRKROEAMGKTLISQSPFTGYGFGYKMCARVYLNDGGMKGTHLSL	472		
Db	61	YNQVLLIWKIRIDYRRRKROEAMGKTLISQSPFTTGYGFGYKMCARVYLNDGGMKGTHLSL	120		
QY	473	FEVIMRGEVDALLPWFPEKQVTLMLMDQGSSRRHLDAEKPENSSSFKKPTGEMNIASG	532		
Db	121	FEVIMRGEVDALLPWFPEKQVTLMLMDQGSSRRHLDAEKPENSSSFKKPTGEMNIASG	180		
QY	533	CPVFAVQTVLENGTYTKDDTIFIKVLVDPSTDLDDP	567		
Db	181	CPVFAVQTVLENGTYTKDDTIFIKVLVDPSTDLDDP	215		

RESULT 8
US-08-331-394-4
; Sequence 4, Application US/08331394
; Patent No. 5570319
; GENERAL INFORMATION:
; APPLICANT: Goeddel, David V.
; APPLICANT: Rothe, Mike

TITLE OF INVENTION: Tumor Necrosis Factor
 TITLE OF INVENTION: Receptor-Associated Factors
 NUMBER OF SEQUENCES: 66
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Genentech, Inc.
 STREET: 460 Point San Bruno Blvd
 CITY: South San Francisco
 STATE: California
 COUNTRY: USA
 ZIP: 94080

COMPUTER READABLE FORM:
 MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: patin (Genentech)
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/331,394
 FILING DATE:
 CLASSIFICATION: 436
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 08/250858
 FILING DATE: 27-MAY-1994
 ATTORNEY/AGENT INFORMATION:
 NAME: Dreyer, Ginger R.
 REGISTRATION NUMBER: 33,055
 REFERENCE/DOCKET NUMBER: 897P1
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 415/225-3216
 TELEFAX: 415/952-9881
 TELEX: 910/371-7168
 INFORMATION FOR SEQ ID NO: 4:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 501 amino acids
 TYPE: amino acid
 TOPOLOGY: linear
 US-08-331-394-4

Query Match 28.0%; Score 837.5; DB 1; Length 501;
 Best Local Similarity 33.5%; Pred. No. 1e-65;
 Matches 194; Conservative 88; Mismatches 198; Indels 99; Gaps 16;

QY 7 MDAAGTLPNPPKLPDPGAGSVLPBQGGYKEKFTVT-VEKDYKCEKRLVLCNPKOT 65
 DB 1 MAASVTSFSGLELDP-----GFSKTLGTRLKAKYLCSACKNILLRPFQA 47
 QY 66 ECGHRCESCMALSSSPKCTAC-----QESII---KDKVFKDNCCKREILALQVYC 116
 DB 48 OCGHRYCSFCLTSLSSGPNACACVYEGLYEBGISILESSSAFPDNNARREYESLPAVC 107
 QY 117 RNEGRCABQLTLGLHLVHLNCECOFEEPLCLRADCKEKVLRKDLRDHYEAKCYREATC 176
 DB 108 PND--GCTWKGTLKEYESCHGLCPFLTEC--PACKGLVRLSEKHNTEQCPKRLSLSC 163
 QY 177 SHCKSOVPMIKLOKHEDTDCPCVYVSCPHKSCVOTLRLSELSTAHLSVCVNAFSTCSFKRY 236
 DB 164 QHCRACSHVDLEVHYEV--CPKFP LTC--DGGCKKKIPRETFODHVRAKSCRCVLCRFTV 221
 QY 237 GCVFQGTNOQIKAEASSAVOHVNLKEMWSNLEKRVK-----LQNESVEKKNKS 286
 DB 222 GCSEKVEETENLODHELRRLREHLAL--LSGFLEAQSPTGLVNGVEILLROCILOEK- 278
 QY 287 IQSLHNOICSFETIEROKEMLRNNESEKILHLOVIDSQAEKLELDEKETIRPFQNMEEA 346
 DB 279 IATFENIVCVLNREVER-----VAVTAEACSRQHRLLQD----- 312
 QY 347 DSMKSVESLONRYTELESVDKSGAQAAMTGLLESQLSRHDDTLYSHDIRLADMDFQ 406
 DB 313 -----KIEALSNNKYQOLE-----RSIGLKDLAMADLEOKVS 343
 QY 407 VLETAASNGVLIKIRIDYKRRKQDAVNGKTLISYQPFYTGFGYKMCARVYLNGDMGR 466
 DB 344 ELEVTSTVDGAFIWKISDFTFKROEAVAGRTPAIFSPAFYTSRSGYKMCCLAVYLNGDGTGR 403

QY 467 GTHLSLFVIMRGEYDALLPWFQKVTLMMDGSSRRHLGDAFKPDPNSSFKKPTGE 526
 DB 404 GTHLSLFVYMKGPNDALLQWPNQKVTMLLDH--NNREHVIDAFRPDVTSSSQRPVSD 462
 QY 527 MNIASGCVFVAQVYLE-NGTYIKDDTLEIFVIYDTSUL 564
 DB 463 MNIASGCPFLCPVSKMEAKNSYVRDALLFKAIVDLTGL 501

RESULT 9
 US-08-250-858-4
 Sequence 4, Application US/08250858
 Patent No. 5708142

GENERAL INFORMATION:
 APPLICANT: Goeddel, David V.
 APPLICANT: Rothe, Mike
 TITLE OF INVENTION: Tumor Necrosis Factor Receptor-Associated Factors
 NUMBER OF SEQUENCES: 62
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Genentech, Inc.
 STREET: 460 Point San Bruno Blvd
 CITY: South San Francisco
 STATE: California
 COUNTRY: USA
 ZIP: 94080

COMPUTER READABLE FORM:
 MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: patin (Genentech)
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/250,858
 FILING DATE: 27-May-1994
 CLASSIFICATION: 435
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER:
 FILING DATE:
 ATTORNEY/AGENT INFORMATION:
 NAME: Dreyer, Ginger R.
 REGISTRATION NUMBER: 33,055
 REFERENCE/DOCKET NUMBER: 897.1
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 415/225-3216
 TELEFAX: 415/952-9881
 TELEX: 910/371-7168
 INFORMATION FOR SEQ ID NO: 4:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 501 amino acids
 TYPE: amino acid
 TOPOLOGY: linear
 US-08-250-858-4

Query Match 28.0%; Score 837.5; DB 1; Length 501;
 Best Local Similarity 33.5%; Pred. No. 1e-65;
 Matches 194; Conservative 88; Mismatches 198; Indels 99; Gaps 16;

QY 7 MDAAGTLPNPPKLPDPGAGSVLPBQGGYKEKFTVT-VEKDYKCEKRLVLCNPKOT 65
 DB 1 MAASVTSFSGLELDP-----GFSKTLGTRLKAKYLCSACKNILLRPFQA 47
 QY 66 ECGHRCESCMALSSSPKCTAC-----QESII---KDKVFKDNCCKREILALQVYC 116
 DB 48 OCGHRYCSFCLTSLSSGPNACACVYEGLYEBGISILESSSAFPDNNARREYESLPAVC 107
 QY 117 RNEGRCABQLTLGLHLVHLNCECOFEEPLCLRADCKEKVLRKDLRDHYEAKCYREATC 176
 DB 108 PND--GCTWKGTLKEYESCHGLCPFLTEC--PACKGLVRLSEKHNTEQCPKRLSLSC 163
 QY 177 SHCKSOVPMIKLOKHEDTDCPCVYVSCPHKSCVOTLRLSELSTAHLSVCVNAFSTCSFKRY 236
 DB 164 QHCRACSHVDLEVHYEV--CPKFP LTC--DGGCKKKIPRETFODHVRAKSCRCVLCRFTV 221
 QY 237 GCVFQGTNOQIKAEASSAVOHVNLKEMWSNLEKRVK-----LQNESVEKKNKS 286

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Db 222 GCSEWETENLODHELQRLREHLALL--LSSFLAQAASPETLNOVGPPELLORQOILEOK- 278
QY 287 IOSLHNOICSEFEIEROKEMLRNNESKILHLQRYIDSOAEKLEKDEIRPFROMWEA 346
Db 279 IATFENIVCYLNREVER-----VAVTAEAACSRQHRLDOD----- 312
QY 347 DSMKSSVESLONRYTELESVDKSAGQARNTGLLESQLSRHODTLYVHDIRLADMRLRQ 406
Db 313 -----KTEALSNKVQOOLE-----RSIGLKDLAMADLEOKVS 343
QY 407 VLETAASNGVLIWKIRBYRRKROEAVMGKTLISYQPFYTGFGYKMCARVYLNGDGMK 466
Db 344 ELEVSITDGVFIWKISFTKROEAVAGRPATISPAFTISRGYKMCARVYLNGDGTGR 403
QY 467 GTHLSLFFVIMRGEYDALLPWPFKQVYTLMLMDGSSRRHLGDAFKDPNSSFFKKPTGE 526
Db 404 GTHLSLFFVIMRGEYDALLPWPFKQVYTLMLMDH--NNREHVIDAFRDVTSSSFORVSD 462
QY 527 MNIASGCVFVAQTVLE-NGTYIKDQTIPIKVIYDTSDL 564
Db 463 MNIASGCVLFCVPVSKMEAKNSYVRDPAIFTKAIVDLTGL 501

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RESULT 10
US-08-446-915-4
Sequence 4, Application US/08446915
Patent No. 5741667

GENERAL INFORMATION:
APPLICANT: Goeddel, David V.
APPLICANT: Rothe, Mike

TITLE OF INVENTION: Tumor Necrosis Factor Receptor-Associated Factors
NUMBER OF SEQUENCES: 66

CORRESPONDENCE ADDRESS:
ADDRESSEE: Genentech, Inc.
STREET: 460 Point San Bruno Blvd
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080

COMPUTER READABLE FORM:
MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: patin (Genentech)
CURRENT APPLICATION DATA: US/08/446, 915

CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/250858
FILING DATE: 27-MAY-1994

PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/31394
FILING DATE: 28-OCT-1994
ATTORNEY/AGENT INFORMATION:

NAME: Dreger, Ginger R.
REGISTRATION NUMBER: 33, 055
REFERENCE/DOCKET NUMBER: 89/P2
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415/225-3216
TELEFAX: 415/952-9881
TELEX: 910/371-7168

INFORMATION FOR SEQ ID NO: 4:
SEQUENCE CHARACTERISTICS:
LENGTH: 501 amino acids
TYPE: amino acid
TOPOLOGY: linear
US-08-446-915-4

Query Match 28.0%; Score 837.5; DB 1; Length 501;
Best Local Similarity 33.5%; Pred. No. 1e-65;
Matches 194; Conservative 88; Mismatches 198; Indels 99; Gaps 16;

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QY 7 MDAAGTLPNPPLKLPDRGAGSVLVPQGGYKEKFKVT-VEKRYKCEKRYLVCNPKOT 65
Db 1 MAAASVTPSGSLELLQ-----GFSKTLGLTRLEAKYLCACAKNIILRRFOA 47
QY 66 ECGHRCFSCMAALLSSSSPKCTAC-----QESI---KQVFNQCNCKREIILALQYVC 116
Db 48 QGHRRCSCFLTSIILSSGPNACACVYEGVLEEGISILESSSAFPDNNARREVESLPAVC 107
QY 117 RNEGRCAEQULGLHLVLYLKNCOFEELPCIRACCKEVLKDLRDHVERACKRYEATC 176
Db 108 PND--GCTWKGLTKLEYESCHGELCPFLTEC--PACKGLVRLSEKHHTEDQCPRLSJC 163
QY 177 SHCKSVPMIKLQKHEDTDCPCVVVSCPHKCSVQTLNLSLSAHLSECVNAPSTGSPRY 236
Db 164 QHCRAPCSHVLDLEVHYEY-CPKFPPLTC-DGCGKKKIPRETFODHVRAOSKCRVLCRFHTV 221
QY 237 GCVFQGTNOQIAHNSAAGVHNLKEMNSLEKVS-----LLONSVEKKNKS 286
Db 222 GCSEWETENLODHELQRLREHLALL--LSSFLAQAASPETLNOVGPPELLORQOILEOK- 278
QY 287 IOSLHNOICSEFEIEROKEMLRNNESKILHLQRYIDSOAEKLEKDEIRPFROMWEA 346
Db 279 IATFENIVCYLNREVER-----VAVTAEAACSRQHRLDOD----- 312
QY 347 DSMKSSVESLONRYTELESVDKSAGQARNTGLLESQLSRHODTLYVHDIRLADMRLRQ 406
Db 313 -----KTEALSNKVQOOLE-----RSIGLKDLAMADLEOKVS 343
QY 407 VLETAASNGVLIWKIRBYRRKROEAVMGKTLISYQPFYTGFGYKMCARVYLNGDGMK 466
Db 344 ELEVSITDGVFIWKISFTKROEAVAGRPATISPAFTISRGYKMCARVYLNGDGTGR 403
QY 467 GTHLSLFFVIMRGEYDALLPWPFKQVYTLMLMDGSSRRHLGDAFKDPNSSFFKKPTGE 526
Db 404 GTHLSLFFVIMRGEYDALLPWPFKQVYTLMLMDH--NNREHVIDAFRDVTSSSFORVSD 462
QY 527 MNIASGCVFVAQTVLE-NGTYIKDQTIPIKVIYDTSDL 564
Db 463 MNIASGCVLFCVPVSKMEAKNSYVRDPAIFTKAIVDLTGL 501

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RESULT 11
US-08-744-139-4
Sequence 4, Application US/08744139
Patent No. 5869612

GENERAL INFORMATION:
APPLICANT: Goeddel, David V.
APPLICANT: Rothe, Mike
TITLE OF INVENTION: Tumor Necrosis Factor Receptor-Associated Factors
NUMBER OF SEQUENCES: 59

CORRESPONDENCE ADDRESS:
ADDRESSEE: Genentech, Inc.
STREET: 460 Point San Bruno Blvd
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080

COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: winpatin (Genentech)

CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/744, 139
FILING DATE: 31-Oct-1996
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/250858
FILING DATE: 05/27/1994

ATTORNEY/AGENT INFORMATION:
NAME: Dreger, Ginger R.
REGISTRATION NUMBER: 33, 055

REFERENCE/DOCKET NUMBER: P0897C1
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 415/225-3216
 TELEFAX: 415/952-9881
 TELE: 910/371-7168
 INFORMATION FOR SEQ ID NO: 4:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 501 amino acids
 TYPE: Amino Acid
 TOPOLOGY: Linear
 US-08-744-139-4

Query Match 28.0%; Score 837.5; DB 2; Length 501;
 Best Local Similarity 33.5%; Pred. No. 1e-65;
 Matches 194; Conservative 88; Mismatches 198; Indels 99; Gaps 16;

QY 7 MDAAGTLPNPLKLPDRGAGSVLPBGGYKKEFKVKT-VEDKYYKCEKRLVLCNPKQT 65
 DB 1 MAASVTSFGSLLELP-----GFSKTLGLTRLEAKYLCSACKNILRRPQA 47
 QY 66 ECGHRCESCMALLSSSPKCTAC-----QESTI---KDKVFKDNCKREILALQVYC 116
 DB 48 QCGHRCESCMALLSSSPKCTAC-----QESTI---KDKVFKDNCKREILALQVYC 107
 QY 117 RNEGRGCAEQLTLGHLVHLKNECOFEELPCLRADCKEYLRKDLRDHYEKACKYREATC 176
 DB 108 PND--GCTWKGLTKEYESCHGELCPFLTEC--PACKGLVRLSEKHNHTDQCPKRLSLC 163
 QY 177 SHCKSVPMIKLQKHEDTDCPCVVVSCPHKCSVQTLRLSELNHLSECVNADSTGCFKRY 236
 DB 164 QHCRAPCSHVDLEHVEV--CPKFPRLTC--DGCCKKKIPRETFOHDVRAKSCRYLCRFHTV 221
 QY 237 GCVFQGTNOQIKAHKASSAVOHVNLKEMNSLEKKVS-----LLQNSVEKNS 286
 DB 222 GCSMEVETENIDHDLRLREHALL--LSFLQASFGTLNOVQPELLQCOILEQK- 278
 QY 287 ICSLHNOICSEFIEIEROKEMLRNNEKILHLQRYIDSOAEKLEKDEIRPFROMWEA 346
 DB 279 IATFENIVCVLNRREVER-----VAVTAECASRQHRDQD----- 312
 QY 347 DSMKSSVESLQNRVTELESVDKSAGQAARNTGLLESQLSRHQDTLSVNDIRLADMRLQ 406
 DB 313 -----KTEALSNKVOOLE-----RSIGLKLADMADELOKVS 343
 QY 407 VLETSYNGVLIIMKIRDYKRRKQEAVMGKTLSTLYSOPFTGYGYKMKCARVYLNGDGK 466
 DB 344 ELEVSITDGVFIKISDFTRKQEAAGRTPAIFSPAFYTSRYGKMKCLRYVLNGDGTR 403
 QY 467 GTHLSLFVYIMRGEDALLPMPFKQKVTLMMDQSSRRHLGDAKFPDPNSSSFKKPTGE 526
 DB 404 GTHLSLFVYIMRGEDALLPMPFKQKVTLMMDQSSRRHLGDAKFPDPNSSSFKKPTGE 526
 QY 527 MNIASGCPVFAQVLE--NGTYIKDDTIFIKIVYDTS 564
 DB 463 MNIASGCPVFAQVLE--NGTYIKDDTIFIKIVYDTS 564

RESULT 12
 PCT-US95-06639-4
 Sequence 4, Application PC/TUS9506639
 GENERAL INFORMATION:
 APPLICANT: Genentech, Inc.
 TITLE OF INVENTION: Tumor Necrosis Factor Receptor-Associated Factors
 NUMBER OF SEQUENCES: 66
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Genentech, Inc.
 STREET: 460 Point San Bruno Blvd
 CITY: South San Francisco
 STATE: California
 COUNTRY: USA
 ZIP: 94080
 COMPUTER READABLE FORM:
 MEDIUM TYPE: 3.5 inch, 1.44 MB disk

COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Patin (Genentech)
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: PCT/US95/06639
 FILING DATE:
 CLASSIFICATION:
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 08/250858
 FILING DATE: 27-MAY-1994
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 08/331394
 FILING DATE: 28-OCT-1994
 ATTORNEY/AGENT INFORMATION:
 NAME: Dreger, Ginger R.
 REGISTRATION NUMBER: 33,055
 REFERENCE/DOCKET NUMBER: 897P2PCT
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 415/225-3216
 TELEFAX: 415/952-9881
 TELE: 910/371-7168
 INFORMATION FOR SEQ ID NO: 4:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 501 amino acids
 TYPE: amino acid
 TOPOLOGY: Linear
 PCT-US95-06639-4

Query Match 28.0%; Score 837.5; DB 5; Length 501;
 Best Local Similarity 33.5%; Pred. No. 1e-65;
 Matches 194; Conservative 88; Mismatches 198; Indels 99; Gaps 16;

QY 7 MDAAGTLPNPLKLPDRGAGSVLPBGGYKKEFKVKT-VEDKYYKCEKRLVLCNPKQT 65
 DB 1 MAASVTSFGSLLELP-----GFSKTLGLTRLEAKYLCSACKNILRRPQA 47
 QY 66 ECGHRCESCMALLSSSPKCTAC-----QESTI---KDKVFKDNCKREILALQVYC 116
 DB 48 QCGHRCESCMALLSSSPKCTAC-----QESTI---KDKVFKDNCKREILALQVYC 107
 QY 117 RNEGRGCAEQLTLGHLVHLKNECOFEELPCLRADCKEYLRKDLRDHYEKACKYREATC 176
 DB 108 PND--GCTWKGLTKEYESCHGELCPFLTEC--PACKGLVRLSEKHNHTDQCPKRLSLC 163
 QY 177 SHCKSVPMIKLQKHEDTDCPCVVVSCPHKCSVQTLRLSELNHLSECVNADSTGCFKRY 236
 DB 164 QHCRAPCSHVDLEHVEV--CPKFPRLTC--DGCCKKKIPRETFOHDVRAKSCRYLCRFHTV 221
 QY 237 GCVFQGTNOQIKAHKASSAVOHVNLKEMNSLEKKVS-----LLQNSVEKNS 286
 DB 222 GCSMEVETENIDHDLRLREHALL--LSFLQASFGTLNOVQPELLQCOILEQK- 278
 QY 287 ICSLHNOICSEFIEIEROKEMLRNNEKILHLQRYIDSOAEKLEKDEIRPFROMWEA 346
 DB 279 IATFENIVCVLNRREVER-----VAVTAECASRQHRDQD----- 312
 QY 347 DSMKSSVESLQNRVTELESVDKSAGQAARNTGLLESQLSRHQDTLSVNDIRLADMRLQ 406
 DB 313 -----KTEALSNKVOOLE-----RSIGLKLADMADELOKVS 343
 QY 407 VLETSYNGVLIIMKIRDYKRRKQEAVMGKTLSTLYSOPFTGYGYKMKCARVYLNGDGK 466
 DB 344 ELEVSITDGVFIKISDFTRKQEAAGRTPAIFSPAFYTSRYGKMKCLRYVLNGDGTR 403
 QY 467 GTHLSLFVYIMRGEDALLPMPFKQKVTLMMDQSSRRHLGDAKFPDPNSSSFKKPTGE 526
 DB 404 GTHLSLFVYIMRGEDALLPMPFKQKVTLMMDQSSRRHLGDAKFPDPNSSSFKKPTGE 526
 QY 527 MNIASGCPVFAQVLE--NGTYIKDDTIFIKIVYDTS 564
 DB 463 MNIASGCPVFAQVLE--NGTYIKDDTIFIKIVYDTS 564

Db 201 VE-----ASHLALAASIHOSQDLREHLLSLEQRVVELQOTLAQKQOVYLGKLEHSIRLM 253
 QY 409 ETASVNGVLIWKIRIDYKRRKOEAVMGKTLISYOPFTTGYFGYKMCARVYLINGDMGKGT 468
 Db 254 EASFDGTFELWKITNTVKRCHESVCGRTVSLFSPAFYAKGYKLCRLYLINGDGSCKKT 313
 QY 469 HLSLFFVIMRGEYDALLPMPFVKOKVTLMMDQSSRRHLGDAFPDNNSSFFKKTGEMN 528
 Db 314 HLSLFFVIMRGEYDALLPMPFVKOKVTLMMDQSSRRHLGDAFPDNNSSFFKKTGEMN 528
 QY 529 IASGCPVFAQTULEN--GTIYKDDTIFIKYIVDTS 562
 Db 373 VASGCPLEFPLSKLQSPKHAYVKDDTMFLKCIYDTS 408

RESULT 15 US-08-446-915-2

; Sequence 2, Application US/08446915
 ; Patent No. 574167
 ; GENERAL INFORMATION:
 ; APPLICANT: Goeddel, David V.
 ; APPLICANT: Rothe, Mike
 ; TITLE OF INVENTION: Tumor Necrosis Factor Receptor-Associated Factors
 ; NUMBER OF SEQUENCES: 66
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Genentech, Inc.
 ; STREET: 460 Point San Bruno Blvd
 ; CITY: South San Francisco
 ; STATE: California
 ; COUNTRY: USA
 ; ZIP: 94080
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk
 ; COMPUTER: IBM PC compatible
 ; OPERATING SYSTEM: PC-DOS/MS-DOS
 ; SOFTWARE: palin (Genentech)
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/08/446,915
 ; FILING DATE:
 ; CLASSIFICATION: 435
 ; PRIOR APPLICATION DATA:
 ; APPLICATION NUMBER: 08/250858
 ; FILING DATE: 27-MAY-1994
 ; PRIOR APPLICATION DATA:
 ; APPLICATION NUMBER: 08/31394
 ; FILING DATE: 28-OCT-1994
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: Dreger, Ginger R.
 ; REGISTRATION NUMBER: 33,055
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: 415/225-3216
 ; TELEFAX: 415/952-9881
 ; TELEX: 910/371-7168
 ; INFORMATION FOR SEQ ID NO: 2:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 409 amino acids
 ; TYPE: amino acid
 ; TOPOLOGY: linear
 ; US-08-446-915-2

Query Match 21.4%; Score 640; DB 1; Length 409;
 Best Local Similarity 35.5%; Pred. No. 2,1e-48;

Matches 162; Conservative 72; Mismatches 136; Indels 86; Gaps 15;

QY 137 KNECFEELPCLRADCKREKVLKDLRDKVHAKYKREATCSHCKSOYPMITLQKHEDTDC 196
 Db 9 ENEGF---GCPAPCQD-----PSEPRVLCCTACSE---NLKDEDRIC 48
 QY 197 PCVVVSCPHKCSVOTLRLSELIAHLSECVPNASTCSFKRYGCVFGQTNQOIKAHASSAV 256
 Db 49 PKCRADNLHPVSPGSPLOTQ--KVH-SDVAEAEIMCPSFAGVCSFKSGSPQSMQEHATSQS 106

QY 257 QHVN-----LKEMSNS-----LEKKVSLONESVEKKNKSISQSLHNOICSFETEI 301
 Db 107 SHLYLLAVLLEWKSPPGNSLGSAPMALERNLSELD-----LQAVENTGDLVDIC 157
 QY 302 ERQKEMLRNNESKILHLQYVIDSOAEK--LKELDKETIRPROMWEADSKSSVESLQNRV 360
 Db 158 YRAPCCESQEEELALOHLV-----EKLLOLEKLRV-----ANIVAVLNKE 200
 QY 361 TELESVDKSAQAARNTGLLESQSRH-----DOTLSYHDIRLMDLRFQYL 408
 Db 201 VE-----ASHLALAASIHOSQDLREHLLSLEQRVVELQOTLAQKQOVYLGKLEHSIRLM 253
 QY 409 ETASVNGVLIWKIRIDYKRRKOEAVMGKTLISYOPFTTGYFGYKMCARVYLINGDMGKGT 468
 Db 254 EASFDGTFELWKITNTVKRCHESVCGRTVSLFSPAFYAKGYKLCRLYLINGDGSCKKT 313
 QY 469 HLSLFFVIMRGEYDALLPMPFVKOKVTLMMDQSSRRHLGDAFPDNNSSFFKKTGEMN 528
 Db 314 HLSLFFVIMRGEYDALLPMPFVKOKVTLMMDQSSRRHLGDAFPDNNSSFFKKTGEMN 528
 QY 529 IASGCPVFAQTULEN--GTIYKDDTIFIKYIVDTS 562
 Db 373 VASGCPLEFPLSKLQSPKHAYVKDDTMFLKCIYDTS 408

Search completed: December 19, 2002, 15:02:21
 Job time : 18 secs

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